

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number  
WO 2004/044151 A3

(51) International Patent Classification<sup>7</sup>: C07H 21/04,  
A01K 67/00, C12N 15/00, 15/09, C12P 21/00

(21) International Application Number:  
PCT/US2003/035645

(22) International Filing Date:  
7 November 2003 (07.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/425,111 7 November 2002 (07.11.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,  
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,  
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
9 December 2004

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: RECOMBINASE MEDIATED TRANSCRIPTION

(57) Abstract: Disclosed are compositions and methods related to nucleic acids.

WO 2004/044151 A3

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/35645

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : C07H 21/04; A01K 67/00; C12N 15/00, 15/09; C12P 21/00  
 US CL : 536/23.1, 23.4, 24.1; 435/69.1, 320.1, 235.1, 455, 471; 800/8

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1, 23.4, 24.1; 435/69.1, 320.1, 235.1, 455, 471; 800/8

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,888,732 A (HARTLEY et al.) 30 March 1999(30.03.1999), see the entire patent.	1-34
A	US 6,077,992 A (YADAV, N.S.) 20 June 2000(20.06.2000), see the entire document.	1-34
A	US 6,632,980 B1 (YADAV et al.) 14 October 2003(14.10.2003), see the entire patent.	1-34

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

26 September 2004 (26.09.2004)

Date of mailing of the international search report

06 OCT 2004

Name and mailing address of the ISA/US

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**INTERNATIONAL SEARCH REPORT**

PCT/US03/35643

**Continuation of B. FIELDS SEARCHED Item 3:**

**EAST: DERWENT, EPO, JPO, USPAT, US PGPUBS**

**STN: MEDLINE EMBASE BIOSIS CAPLUS**

**search terms:inventors names, decoy, lox p, cre, recombinase, transcription, mediat?, regulat? EFGP, ECFP, EYEP, HcRed,DsRed**